

19990415.qrp v01_n427.qrl.990415

Date: Thu, 15 Apr 1999 19:03:52 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1427

QRP-L Digest 1427

Topics covered in this issue include:

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by "Alan Fryer" <n3bj@hotmail.com>
- 2) [38166] FS: OHR 100A - ISP's mail server died
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by "Steve Yates, AA5TB" <aa5tb@swbell.net>
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by "Doug Hauff" <slmachco@fix.net>
- 5) [38169] Re; Contest Scoring - A suggestion
by "Al Gritzmacher" <ae2t@arrl.net>
- 6) [38170] Re: FS: MXM 30M xcvr
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- 7) [38171] Re: [Re: Medium Wave Web-site]
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by Pete Burbank <plburbank@kih.net>
- 9) [38173] Michigan QSO Party QRP
by Hank Kohl K8DD <k8dd@contesting.com>
- 10) [38174] nc20
by "Perley Urquhart" <n1yuk@nemaine.com>
- 11) [38175] Re: PSK 31 Contest
by hw.merz@t-online.de (Hanns W. Merz)
- 12) [38176] QRP DX, what fun
by Bradford D Bilbrey <bigdawg74@juno.com>
- 13) [38177] PSK31 and QRP engaged to be married?
by PDouglas12@aol.com
- 14) [38178] Re: K2 DROP TEST -- SUCCESS!
by PDouglas12@aol.com
- 15) [38179] for? Ballentine counter 5725c
by "rohre" <rohre@arlut.utexas.edu>
- 16) [38180] Re: K2 DROP TEST -- SUCCESS!
by Gary L Surrency <gsurrency@juno.com>
- 17) [38181] Misplaced my IC-730... anyone seen it?
by "Radman" <radman@best.com>
- 18) [38182] NC20 Receiver Problem
by Craig LaBarge <wb3gck@yahoo.com>
- 19) [38183] FOR SALE Ten Tec QRP Gear

- by Dick Schneider <rschneid@ix.netcom.com>
- 20) [38184] QSL via Internet
by flydnq7x@primenet.com (Floyd Smithberg)
- 21) [38185] not qrp, but please help, saving pp files
by Scott Howell <whowell@hq.nasa.gov>
- 22) [38186] Ten Tec QRP Gear For Sale - CLARIFICATION
by Dick Schneider <rschneid@ix.netcom.com>
- 23) [38187] Re: Spread Spectrum
by Russ Hines <radioruss@fuse.net>
- 24) [38188] Re: [Eleccraft] RS 22-504 PS
by DYARNES@aol.com
- 25) [38189] AADE L/C meter
by "Art Neilson, KH7PZ" <art@hawaii.rr.com>
- 26) [38190] Re: K2 DROP TEST -- SUCCESS!
by Thomas Kuehl <ac7a@uswest.net>
- 27) [38191] Wow...lots of dx while qrp
by PUNISHER3@aol.com
- 28) [38192] Re: [Re: Medium Wave Web-site]
by Thomas Kuehl <ac7a@uswest.net>
- 29) [38193] Medium Wave Web-site & Static
by "Bill Todd" <bill@willapabay.org>
- 30) [38194] QRP and PSK31 Consummated
by John R Kirby <n3aaz-qrp@juno.com>
- 31) [38195] Coax cables
by K4AHK@ix.netcom.com
- 32) [38196] Ten Tec Receive Current?
by Zeek Zilch <zeekzilch@chisp.net>
- 33) [38197] Miles per watt question (PSK31)
by John R Kirby <n3aaz-qrp@juno.com>
- 34) [38198] RE: for? Ballentine counter 5725c
by "L. Mark Pilant - MS ZK03-4/Y02 DTN 264-1529" <pilant@seesaw.ENET.dec.com>
- 35) [38199] SW+ mounting posts
by Bensondj@aol.com
- 36) [38200] Re: for? Ballentine counter 5725c
by Jim Lyons <lyons@canada.com>
- 37) [38201] Re: FS: MXM 30M xcvr
by Bruce Muscolino <w6toy@erols.com>
- 38) [38202] Re: The perils of putting +12v into a +5v hole\\! Ouch\\!
by Zack Lau <zlau@arrl.org>
- 39) [38203] Re: Medium Wave Web-site & Static
by "Edward A Kwik jr" <eakwikjr@hti.com>
- 40) [38204] OHR 100A sold
by "V.C. Angell" <angell@northernnet.com>
- 41) [38205] HQRP Meeting This Week
by "Ed Manuel, N5EM" <n5em@flash.net>
- 42) [38206] 10 turn pot for NorCal40A?
by "George Goodroe" <goodroe@worldnet.att.net>
- 43) [38207] RE: K2 Drop Test

- by Larry East <w1hue@amsat.org>
- 44) [38208] QRPTTF Newbie Questions
by elawson@lr.net (Ed Lawson)
- 45) [38209] QRP-p first-quarter 1999 issue?
by "Karty, Steven" <kartys@ncs.gov>
- 46) [38210] Glacier Hamfest QRP
by Bruce Rattray <rattray@gpfn.sk.ca>
- 47) [38211] One item left
by "Stephen Gibson" <SWGibson@worldnet.att.net>
- 48) [38212] Hamfest Portable Station Awarded!
by Ken Newman <N2CQ@citnet.com>
- 49) [38213] Ultra bright LED
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 50) [38214] PSK31 Contest (fwd)
by Ron Stark <ku7y@dri.edu>
- 51) [38215] Jim Gooch NorCal Cap kit confirmation
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 52) [38216] K2 GATOR TEST
by hamjoel@juno.com
- 53) [38217] Re: PSK31 Contest (fwd)
by DNT1@daimlerchrysler.com
- 54) [38218] HamCom Hotel Reservations
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 55) [38219] Re: H.A.A.R.P. QRP Afterall? (Long)
by "David Hurley, n2zhy" <n2zhy@amsat.org>
- 56) [38220] Mizuho vs AEA
by tom whalen <wb5qyt@eFortress.com>
- 57) [38221] Re: Miles per watt question (PSK31)
by "Steve Yates, AA5TB" <aa5tb@swbell.net>
- 58) [38222] Crystal info needed
by tom whalen <wb5qyt@eFortress.com>
- 59) [38223] AADE L/C meter VS BK precision component tester
by "Art Neilson, KH7PZ" <art@hawaii.rr.com>
- 60) [38224] psk31 & Icom 735
by "M. Monninger" <markem@primenet.com>
- 61) [38225] Business FS - Kanga Products
by Dick Pascoe <dick.pascoe@kanga.demon.co.uk>
- 62) [38226] Re: Ultra bright LED
by Zack Lau <zlau@arrl.org>
- 63) [38227] NC 20 Custom Enclosure status
by "Doug Hauff" <slmachco@fix.net>
- 64) [38228] Help with the Auttek MK-1 CMOS-1 keyer
by Danh Le <dle@san-jose.tt.slb.com>
- 65) [38229] Re: K2 DROP TEST -- SUCCESS!
by hw.merz@t-online.de (Hanns W. Merz)
- 66) [38230] Re: [Re: Medium Wave Web-site]
by "Lynn Simons" <lynnsimons@mindspring.com>
- 67) [38231] Re: Ultra bright LED

- by Bruce Kizerian <kizerian@ced.utah.edu>
- 68) [38232] RE: AFA Switch
by "Arthur G. Silvers" <ags@ieee.org>
- 69) [38233] Re: CW in Advertising
by w4bws@juno.com
- 70) [38234] cross needle meter schematic
by James Skalski <jskalski@localnet.com>
- 71) [38235] Re: [Elecraft] K2 DROP TEST -- SUCCESS!
by "J. W. (Dub) Thornton" <dub@oklahoma.net>
- 72) [38236] QRP Satellite Operations
by Jeff Johns <jeffj@scott.net>
- 73) [38237] PSK31 Contest ... Where, When ..etc..
by DENNISMO@aol.com
- 74) [38238] Palm Pilot
by Wayne A Smith <k8ff@juno.com>
- 75) [38239] Re: Palm Pilot
by sergio <sruiz@bright.net>
- 76) [38240] FS: Scout Band Modules
by Wayne A Smith <k8ff@juno.com>
- 77) [38241] Mini-Smartuner SG-237
by sgc <sgc@sgcworld.com>
- 78) [38242] Glacier/Waterton Hamfest (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 79) [38243] Spring Bouquet
by Bruce Rattray <rattray@gpfn.sk.ca>
- 80) [38244] NorCal Regen Building Contest at HamCom 99
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 81) [38245] Re: NorCal Regen Building Contest at HamCom 99
by "Mike Silva" <mjsilva@jps.net>
- 82) [38246] Spread Spectrum/Smith Chart/ Antenna tutorials.
by Ed Loranger <we6w@qsl.net>
- 83) [38247] Re: K2 DROP TEST -- SUCCESS!
by "Alan Fryer" <n3bj@hotmail.com>
- 84) [38248] Palm Pilot
by "Lawrence M. Koga" <lkoga@tabnet.com>
- 85) [38249] Re: Spread Spectrum/Smith Chart/ Antenna tutorials.
by Chris Trask <ctrask@primenet.com>
- 86) [38250] Re: Four Corners, 9 Ham Borders
by Roger Hightower <n7kt@earthlink.net>
- 87) [38251] QRP Impromptu gathering at Durham, Ontario Hamfest
by VE3JC - John C <jbcumming@wwdc.com>

Date: Wed, 14 Apr 1999 16:57:20 PDT
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [38165] FS: MXM 30M xcvr

Message-ID: <19990414235721.46932.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain

For Sale: MXM 30M CW xcvr, works fine, well done in plain aluminum case. Featuring dual conversion RX with ceramic filter at 455 kHz and crystal lattice filter at 4 mHz. 5 watts out, with complete original documantation.

\$104 shipped

Alan, N3BJ
Bent Mountain, VA

Get Free Email and Do More On The Web. Visit <http://www.msn.com>

Date: Wed, 14 Apr 1999 19:08:30 -0500
From: "V.C. Angell" <angell@northernnet.com>
To: qrp-1@Lehigh.EDU
Subject: [38166] FS: OHR 100A - ISP's mail server died
Message-ID: <103120604b33add44747c@[205.198.127.136]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I posted the following yesterday, but my ISP's mail server died and any mail on it was lost. I hope there were some offers for the OHR 100A because none got to me. Hope! Hope! Seriously if you did make an offer, please send it again.

72,
"VC" KCOEM

REPOST:

30 meter OHR 100A for sale for the best offer.
Factory alined.

Reason for sale is my wife, KB0ROD, has turned to HF and we put a FT-840 in the OHR 100A's place on the operating desk. (plus the sale will help pay off the credit card. Hi Hi)

"VC" KCOEM

V.C. Angell
<http://www.jewelry-magick.com>

Jewelry with a secret

Date: Wed, 14 Apr 1999 19:08:01 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: <ko6gf@slip.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [38167] Re: H.A.A.R.P. QRP Afterall? (Long)
Message-ID: <001701be86d4\$078fb5c0\$d637a497@aa5tb>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dennis,

I hope the following will be of some help :

Ideally receiver S-meters would be 6dB per S-unit. S-9 is usually set to either 50uV or 100uV of signal strength. Anything over S-9 is read as decibels over S-9. 40+ would read as 40dB over S-9, or 40dB over 50uV (100uV). Receiver S-meters are never accurate unless the receiver was designed for field strength measurements or if they have been calibrated. Even when properly calibrated the calibration is usually only good for the frequency at which it was calibrated.

When talking about power,

$\text{dB} = 10 [\log (P1/P2)]$

When dealing with voltages, such as an S-meter,

$\text{dB} = 20 [\log (E1/E2)]$

To put it another way,

Power change = $\text{antilog}(\text{dB}/10)$

or

Voltage change = $\text{antilog} (\text{dB}/20)$

By the way, it is written dB, not Db. As far as antennas go, roughly speaking when you double the number of 10dB gain antennas, you get 13dB of total gain. A quantity of 50 10dBd gain antennas could give you 27dBd gain,

not 500dB.

$$10\text{dBd} + [10\log(50)] = 27\text{dBd gain}$$

I assume your speaking dBd, decibels over a dipole. The gain of the H.A.A.R.P is pointed up toward the ionosphere, not towards you. Therefore, the gain towards you will be greatly reduced and will be a function of sidelobe levels, angle of radiation, backscatter, etc. Your never going to get more power into space from an antenna then what you put into it (at least not yet Mr. Bell). If you put 5 watts into an antenna system with enough gain to produce your "ERP of 7,503,125 watts" (this by the way would require the gain of an optical telescope, >61dB), you could never produce enough field strength to damage a receiver more then a few feet away. You could never get more coupling then if you simply connected the transmitter output into the receiver input. You would then have 5 watts into the receiver which would damage most receivers but not all. You can't get gain in one direction without losing strength in others. 40db over S-9 on a calibrated (50uV@S9) S-meter would indicate a voltage input to your receiver of 5mV RMS @ 50 Ohms.

$$E1/E2 = \text{antilog} (40/20) = 100$$

$$100 \times 50\text{uV} = 5000\text{uV or } 5\text{mV}$$

$$P = E^2/R$$

Therefore

$$P = 5 \times 10^{-7} \text{ or } 0.5\text{uW}$$

The power into your receiver's frontend would be 0.5 microwatts assuming an accurate S-meter.

Your comparison to "KSFO 560 AM broadcast radio" is irrelevant given the difference in wavelength, antennas, receiver calibration, propagation modes, etc., etc.

Don't get out the foil lined caps just yet.

73,

Steve Yates

AA5TB

Fort Worth, TX

<http://home.swbell.net/aa5tb>

aa5tb@swbell.net

Date: Wed, 14 Apr 1999 17:11:48 -0700
From: "Doug Hauff" <slmachco@fix.net>
To: <qrp-1@LeHigh.edu>
Subject: [38168] Fw: 38 SPECIAL Custom Enclosures Revisited
Message-ID: <199904150011.RAA29224@fletch.fix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> From: Doug Hauff <slmachco@fix.net>
> To: Mark Hogan <mhogan@email.msn.com>
> Subject: Re: 38 SPECIAL Custom Enclosures Revisited
> Date: Wednesday, April 14, 1999 3:06 PM
>
> Hi Mark, Been quite a while, yet I have recently gotten several inquires
> about the enclosure. All three original runs are sold out, however if
> there is enough interest I will do another short run. So how about it
> gang, anybody want a 38 Special Custom Enclosure?
>
> Basics: CNC machined from 6061-T6 aircraft grade "billet", custom
> designed around 38S board, integral PCB standoffs, black anodized, CNC
ball
> mill engraved labels, includes hardware and list of compatable parts (all
> available at RS). 5.4 x 3.2 x 1.063 inch. Accepts TiCK keyer, 5-watt
> mod, CNC machined heatsink available. Front panel: Tune, RF Gain, RIT
> control + switch. Truth? It's gorgeous! Price: \$29, heatsink \$4, \$5
S+H
> Lead time: 3-4 weeks
>
> 72 Doug Hauff KE6RIE
> -----
> > From: Mark Hogan <mhogan@email.msn.com>
> > To: slmachco@fix.net
> > Subject: 38 SPECIAL
> > Date: Tuesday, April 13, 1999 12:08 PM
> >
> > I know this is late.
> > Do you have any of the enclosures left for the 38 specials, if so how
> much
> > are they, and how long of a ship time would you have?
> >
> > Mark Hogan
> > N50BC

> >
> >
> >

Date: Wed, 14 Apr 1999 09:22:38 -0400
From: "Al Gritzmacher" <ae2t@arrl.net>
To: <qrp-1@Lehigh.EDU>
Subject: [38169] Re; Contest Scoring - A suggestion
Message-ID: <000201be86d4\$a4123d00\$6c5502d1@family>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

VE3JC - John C <jbcumming@wwdc.com> wrote:

~~~~~  
I had lots of fun in the limited time I was able to spend in the ARCI Spring contest. Every time I start cranking through the contest entry paperwork, I notice what seems to be one of life's little injustices ...

I would humbly suggest that paid up members of the sponsoring club should get a "multiplier". For example, under existing rules, if I am NOT a QRP ARCI member, and I work YOU, a member, then I get 5 points and YOU get TWO points. Is this "fair"? Does this encourage you to retain your membership????? Does it encourage me to take out membership? If "paid up" members were allowed to use a 2X or 5X multiplier for ALL contacts that they make in a club-sponsored contest, I think it would actually encourage membership growth. =20

Just a thought...which I've had many times, but will gripe about only once ;^)=20

~~~~~  
>From a contesting standpoint, we'd all like to be a rare station, but = are seldom DX or a rare multiplier. By making member stations worth more = points, it makes them more desireable to be worked by others. Not as = good as being a rare multiplier, but the next best thing.

Although you only get 2 points per non-member you work, you presumably = work many more due to your "desireable" 5-point status.

This may be unfair in the small contest, where pretty much everyone = works everyone else who is in it, but when the contest gets big enough, = where stations need to choose whether to dig a 5-pointer out or move on = to an easy, loud 2-pointer, it will be to the member station's = advantage.

Clearly, the intent of the rule is to encourage non-members to = participate and work the club members in a particular event.

-- 72,

Al AE2T
(BMHA)

Date: Thu, 15 Apr 1999 20:19:50 -0400
From: "Jerry W. O'Dell" <jwodel@ameritech.net>
To: n3bj@hotmail.com, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [38170] Re: FS: MXM 30M xcvr
Message-ID: <19990415011557.YVT16857@default>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:57 PM 4/14/99 -0700, Alan Fryer wrote:
>For Sale: MXM 30M CW xcvr, works fine, well done in plain aluminum

Forgive me, but what in the devil is an MXM?

73 jerry w8gnd

Date: 14 Apr 99 20:25:11 EDT
From: Roy Lincoln <wa4dou@usa.net>
To: bill@willapabay.org
Cc: qrp-1@lehigh.edu
Subject: [38171] Re: [Re: Medium Wave Web-site]
Message-ID: <19990415002513.22938.qmail@nw128.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Hi Bill and Thomas,

BCB Dx'ing and SWL'ing were once the "traditional" route into ham radio. Nothing wrong with BCB DX'ing! I still do it occasionally! I still = like crystal radios and "regen" receivers. There are others here too! :o)

73 Roy Lincoln WA4DOU

p.s. There used to be what was called "Whites Radio Log", it had the fr= eq.

and call of every AM broadcast station in the country. I think it gave th= e

power too! From N.C., my all time best DX was KFI in Los Angeles.

"Bill Todd" <bill@willapabay.org> wrote:

>I like to cruise the AM broadcast band looking for distant

>stations. Any help from the group is appreciated.

>

>Regards, Thomas - AC7A

Hi Thomas - I thought I was one of the VERY few who did that (ha ha). Wh= en

I was a teenager (oh,,,,,at least 10 years ago...yeah right) I had a big G= E

transistor radio with an external antenna connection in the back.

>From my location in Bellevue, WA, I used to listen to the broadcast band=

well in to the we hours of the morning. I recall that the best night of = the

week to listen was Sunday evening/morning. One advantage we had back in = the

60's, was that more radio stations seemed to go off the air after midnigh= t.

Today, there seems to be less of that, so it is a bit harder to do BC surfing.

I could often pull out KOB in Albuquerque, KMOX in St. Louis, and all the=

California big guns. One time I even heard WHAM in New York.

Good luck in your adventure.

CUL, Bill-N7MFB

Get free e-mail and a permanent address at <http://www.netaddress.com/?N=3D=1>
1

Date: Wed, 14 Apr 1999 20:48:35 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [38172] FS 10 turn pots
Message-ID: <3.0.32.19990414204831.006e9bcc@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Since this is our April sale month we are having a cleanout on 10 turn (actually 11 1/20) turn pots. We have an abandoned Distillery warehouse here in Ky completely filled with 10 turn pots. The ranges are from below zero ohms (for maximum current) to infinity (for backpacking). The largest pots are enclosed in a small vertical enclosure that one can sit in to operate. The maximum downward (rear) pressure is reported to be 300 pounds but we are missing some reports from our beta test group although some have reported being able to turn around 10 times. (Vertical mount) We are trying to organize a group buy but since that sort of thing is frowned upon here in the Bible belt that may take some time. Some say that group buys are "kinky"...whatever that means. Send checks to me, leave the amount blank....no fixed price yet.. Shipping times and rates vary depending on Bubba's schedule and whether he is repairing his pickup truck (pronounced "TRUuuuikk"). I better stop here as the "Big Nurse" is here with my medication.
72/3 Pete NV4V.....NVVVV444444!!!ARRGHH!!!1721

Date: Wed, 14 Apr 1999 20:58:45 -0400
From: Hank Kohl K8DD <k8dd@contesting.com>
To: qrp-1@lehigh.edu
Subject: [38173] Michigan QSO Party QRP
Message-ID: <4.1.19990414204809.01448e10@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The Michigan QSO Party is this coming Saturday April 17.
NEW RULES and new sponsor.
It runs from 1600Z April 17 to 0400Z April 18.
That is from Noon to Midnight Eastern Time April 17.

Among the rules changes there is a QRP class and a QRP

multiplier this year.

There is a plaque for QRP. The past three plaque winners are N3RN, WB3HAE, K8CV. Two out of Michigan, so being in MI is not necessarily the winner!

The web site for the rules <http://www.tir.com/~k8dd/miqso99.htm>

I have an entry sheet, log sheet and multiplier sheet in Word format - send me an email requesting it.

There are also new templates and mult files available for the NA logging program.

73 Hank K8DD

Date: Wed, 14 Apr 1999 21:40:08 -0400
From: "Perley Urquhart" <n1yuk@nemainc.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [38174] nc20
Message-ID: <000101be86e0\$e6f0f560\$504488d0@urquhart>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Have an NC20 to sell. Completed, works but not well! Needs some titravating! Case is painted black with silver/gray panels. Dry transfer lettered on controls. Built carefully, but suspect bad part/s. Not a technician. Will trade against something that is factory built and working if you want. Have list of suggested items to test and procedure to do it. Thanks. Perley, N1YUK, Fists #4274, QRP-L #1936

Date: Thu, 15 Apr 1999 03:46:37 +0200
From: hw.merz@t-online.de (Hanns W. Merz)
To: qrp-l@lehigh.edu
Subject: [38175] Re: PSK 31 Contest
Message-ID: <m10XbEj-0003zoC@fwd07.btx.dtag.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8BIT
Content-Transfer-Encoding: 8BIT

Roger

You can get the free PSK31 software from this website:

<http://bipt106.bi.ehu.es/psk31.html>

The site is managed by EA2BAJ.

72,
Hanns DK9NL

Roger A. McCarty schrieb:

> Ok, where do I get the PSK31 software?
>
> Roger KD6CC

Date: Wed, 14 Apr 1999 18:45:14 -0700
From: Bradford D Bilbrey <bigdawg74@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [38176] QRP DX, what fun
Message-ID: <19990414.184612.12166.1.bigdawg74@juno.com>

Hey QRP'ers

Was tuning around 20 meters on the OHR-400 at 9:30 PM local, a time when 20 doesn't have much life, and I heard UA3AJ in Mockba calling CQ. He came back after the 1st call with a 359 report. I was surprized that he could even hear me. Then full of confidence in the conditions, I gave SP8BAB in Poland a call and he came back after the second call with a 579. Whoa, checked the distants and both were 5k miles plus. Isn't there some kind of 1000 miles per watt thing certificate or something? Will be on 20 again tonight.

72's
Brad KE7MU, OHR-400, ARS #539, QRP-L #1912

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Date: Wed, 14 Apr 1999 21:53:07 EDT
From: PDouglas12@aol.com
To: QRP-L@lehigh.edu
Subject: [38177] PSK31 and QRP engaged to be married?
Message-ID: <47ab0ea7.2446a083@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

Do pick up and read this month's QST article about PSK31. It is a primer on a mode that seems to be fated in the stars to be a perfect match for QRP. Here is a way of keyboarding without stupid sounding chirps and squawks, deedles, bursts, and other noisy, band-filling junk. Would you believe there is a digital mode that takes up less bandwidth than CW. You heard me, narrower than well zero-beat CW. I'm not ready to lecture on how, but guys, read the article. Don't be deleting all the headings that start with PSK31. And the software (which seems comfy in my 486 DX4/100 laptop) is free--the URL is in QST. If you don't get QST, jump down to your local library to read this one. It's worth the trip down the dirt road from the Y2K survival house.

Really, guys, this looks like a winner, and it needs only a computer with a sound card and an SSB transceiver with a stable VFO. You do have a YaesICKenwood behind all those kit rigs somewhere in the shack, doncha? Sure you do, unless you went up a tree and dropped it to see if it was as rugged as a K2.

Let's go read the article and meet here to discuss how this mode may make QRP WAS, DXCC, and even Foxhunting too easy.

72,

Preston WJ2V

Date: Wed, 14 Apr 1999 21:53:04 EDT
From: PDouglas12@aol.com
To: n6kr@elecraft.com, qrp-l@lehigh.edu
Subject: [38178] Re: K2 DROP TEST -- SUCCESS!
Message-ID: <4f97f5ec.2446a080@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Hey Wayne,

Why'd you have to go and ruin a perfectly good rig just to show how rugged the K2 is? I would have bought the ICOM.

Please quit climbing trees and such foolishness and finish the next round of K2s!

: -)

Preston WJ2V

Date: 14 Apr 1999 21:17:13 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [38179] for? Ballentine counter 5725c
Message-ID: <n1287997834.37136@msmailgw1.arlut.utexas.edu>

Ballentine Instruments was the company who were best known for their linear range AC audio voltage dB meters. Later they made a portable scope and the counter. Stuart Ballentine was a pioneer in the electronics industry, and at least in the audio instruments, if the Ballentine name was on them, they were of high quality, and accurate.

Kind of another (John) Fluke Instruments story, for those more familiar with Fluke-Philips instruments today.

I searched the New Jersey Businesses on the web, as that is the last address I knew, or thought of for Ballentine Instruments. Alas, either they are not on the web, or have been swallowed up in the Electronics industry/Defense downsizing mergers.

But, if you know the instrument does not have power, you simply trouble shoot the power supply. If memory serves, the counter was probably TTL chip technology, thus should have a 5 volt logic supply. It should probably have an analog or discrete transistor front end, for high impedance of 1 megohm, thus some sort of single analog supply (12V?) might be in there or plus and minus supplies if there were op amps in the circuits. Thus, you have at least 2 supplies, maybe 3. There was likely a common transformer, with multi windings, and linear power supply, not a switcher. Check first there, and any protective circuit like built in fuses on its primary/secondaries. Check series pass TO 3 power regulator transistors. Check each diode in the bridge or full wave power supply or any half wave, ie check all diodes for forward and back resistance, with no power on circuit. You are checking for low

resistance in forward (easy) current direction, and high R in reverse direction, meaning it is still a diode and not shorted or open. After that, check things like capacitors. Of course, first thing to do is carefully inspect circuit and board and all parts for overheated, smoked ones.

I am confused by the question about 5 pins on some connector, unless you are talking about one inside the power supply. One possible combination would be two for AC main power switch on front panel, 2 for plus 5 and common, and one more for a single discrete transistor supply, or 12 or 15 volts, or even something greater than 5. If the power AC switch is on the back panel of the instrument, the 5 might be five volts logic supply and its common, and three for a plus and minus transistor supplies plus its common, which might be isolated analog ground from logic ground.

Now, the front of the meter may have BNC or other RF connector. You would hook up a probe or direct coax cable there. The probe could be one to one, ie 1 meg ohm resistor in series with probe tip, or times ten attenuation probe, having a ten meg ohm resistor. You could use Probemaster (tm) scope probes widely sold in TV-Radio parts distributor trade in larger cities. You can make frequency measurements on many circuits by direct connection with the appropriate probe, taking voltage attenuation into consideration. A direct coax cable could be used in some circuits of 50 ohm impedance. For circuits where direct probe or coax connection would load them down and pull off frequency, you take your one to one probe, and wind a small coupling coil on its tip end, and connect it from hot side to ground side of probe, and use it to "sniff" frequency near the oscillator you want to check. That is the short form of how to use it.

It can be used to monitor frequency of RF circuits having enough voltage, such as in a transmitter, (not off a receiver antenna circuit, ie off-air). It can be used in period mode, the reciprocal of frequency, with differing gate time settings to get more or less accurate interval timings between two pulses in a logic circuit or between your dots and dashes in a keyer. Longer gate control settings, ie 10 seconds gives the more accurate counting interval. Shorter gates are used to go to higher frequency, and are a rough indication of the max frequency of a counter, ie 1 sec gate, is at least up to 10 MHz counter, typically, on the older ones.

There are many other frequency counting or interval measurements that having a counter can aid. It is more accurate a way to measure frequency than counting graticule lines and cycles crossing them on a O'scope. A nice addition to your shack when you get it going.

What model Wavetek was being sold? Those Waveteks are generally good instruments in their function generators, even if the case is all plastic. Most of their equipment used to sell for \$1000 or more new.

I will look in our instrument calibration lab files for a manual or further

info like a Ballentine catalog. Too bad this query was not a week ago. I just gave my last Ballentine catalog to K5HQR!

For 7 dollars, you probably have a 20 Mhz or better counter, or even if its is audio range, it is a keeper.

Hope this is helpful as a general guide to troubleshooting instruments.

Stuart K5KVH

Date: Wed, 14 Apr 1999 19:23:56 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: PDouglas12@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [38180] Re: K2 DROP TEST -- SUCCESS!
Message-ID: <19990414.192357.-4184493.2.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Wayne!

Next time you do a K2 drop test, angle it a little toward AZ and let me know the time of your test. I'll try to catch it on the first bounce!
*8^)

Nice to see you still have some humor left after all the development work.

Or, did all that work finally get to you and make you just like our friend, Nils? ;-)

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

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or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 14 Apr 1999 19:28:08 -0700
From: "Radman" <radman@best.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [38181] Misplaced my IC-730... anyone seen it?
Message-ID: <199904150226.TAA20262@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Wayne,

I seem to have misplaced my Icom 730.
Any chance I left it over at your lab the other day?

Thanks in advance,

Conrad - NN6CW

Date: Wed, 14 Apr 1999 19:32:57 -0700 (PDT)
From: Craig LaBarge <wb3gck@yahoo.com>
To: qrp-l-mailing-list <qrp-l@lehigh.edu>
Subject: [38182] NC20 Receiver Problem
Message-ID: <19990415023257.27122.rocketmail@web705.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Greetings:

I hit a snag in my NC20 construction and thought I'd run it by the collective wisdom of the QRP-L group.

I completed Section 13 (Receiver) and ran into a bit of a problem when I did the tests. When I built up the receiver section, I included the changes for the AGC mod at the same time; that is, I did not install R19, R20, C20, D19, D20, D21; a jumper was placed where D9 used to be; R29 was changed to 3.9K; and R60 was changed to 1.0M. The 2.2K resistor has not yet been connected per the mod and the 680 ohm resistor has not yet been placed in the spot where C65 was. Everything else was installed per the manual.

On power up, the receiver appears to have a problem. Here are my observations:

- There is no perceivable change in noise level when the antenna is connected or disconnected.

- The TC6 adjustment appears normal; that is, I can tune through zero beat.

- When I touch the wiper arm of VR3 (RF Attenuator) with a metal probe held in my bare hand, I can tune through the band and hear lots of signals. (Some DX and some stations so loud I had to turn the volume down!) Doing this, I can also peak TC5 and TC4.

- Touching the same probe to the antenna input, either side of TC2, anywhere around D5 through D8, or the antenna side of L2 produces not even a scratch from the headphones.

All of this suggests to me that the amplification in the receiver is probably OK and that I have a problem somewhere around the front end of the receiver. Either that, or the gain is insufficient to pick up anything from the antenna.

I pursuing the usual troubleshooting stuff - double checking the parts installation, looking for bad solder joints, etc. (I don't have access to much in the way of test equipment any more.) So far, I haven't turned up anything obvious. Any thoughts before I start removing some parts to check them (I hate doing that!)?

73, Craig WB3GCK

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 14 Apr 1999 20:34:37 -0600
From: Dick Schneider <rschneid@ix.netcom.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [38183] FOR SALE Ten Tec QRP Gear
Message-ID: <3715503C.44747A7F@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

FOR SALE Ten Tec QRP Gear

Ten Tec 1340 QRP CW XCVR. Excellent Condition. Built-in speaker. Covers 7007-7078. 5 Watts out. Great Single-bander. Copy of manual. Ship to CONUS. \$75

Ten Tec Argonaut QRP CW/SSB XCVR. Full coverage of 10-15-20-40-80 Meters. Analog Dial. A QRP Classic. W/Manual. Excellent Condition. Fully realigned and refurbished by Ten Tec factory. 3-5 Watts out. Ship to CONUS. \$275.

Ten Tec 251 Power Supply AND 207 Ammeter. Very Good Condition. Tiny plastic collars around the two bulbs on front are chipped. Bulbs are fine. PS is in solid working order. Ship to CONUS. \$75

Ten Tec AC-5 QRP Antenna Tuner. Good Condition. Ship to CONUS. \$25.

Email offers/questions to:

Dick Schneider
AB0CD
Rschneid@ix.netcom.com

Date: Wed, 14 Apr 1999 19:43:52 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: qrp-1@Lehigh.edu
Subject: [38184] QSL via Internet
Message-ID: <199904150243.TAA18393@smtp01.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

How's this for quick DX QSL(won't count for DXCC of course) but worked Manos in Athens, Greece on PSK31 less than hour ago. He was so weak I couldn't hear his signal most of the time and copy was about 70%.

From: "Manos Chalaris (SV1DAY)" <sv1day@nbg.gr>
>To: <flydnq7x@primenet.com>
>Subject: QSL via Internet
>Date: Thu, 15 Apr 1999 05:27:45 +0300
>X-MSMail-Priority: Normal
>X-MimeOLE: Produced By Microsoft MimeOLE V5.00.2314.1300
>X-UIDL: 4231bcd271f5a1f6f6496670e0f28d4e
>
>Hello Floyd,
>
>I am really happy that we have our QSO last night...
>It is 05:30 now local time I am exhausted.... but it worthed the effort...
>

>My QSL card is via bureau
>
>Thanks again and good luck
>73, de SV1DAY
>Manos
>
>
>
>
73 Floyd NQ7X Phoenix ScQRPion

Date: Wed, 14 Apr 1999 23:08:14 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu
Subject: [38185] not qrp, but please help, saving pp files
Message-ID: <3.0.5.32.19990414230814.007e6610@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

someone sent me some power point files to use at a club meeting.
presentation on Fists. I got them and Eudora has converted them into some
insane giberish.

He sent them as atachments, but Eudora seems to think otherwise. how do i
get them back to being files and not messages. Can I just save them or is
that a really bad idea. I figured its best to ask before I hose them by
attempting such an operation.

tnx es 72/73 de Scott/n3byy
Laurel MD

Date: Wed, 14 Apr 1999 21:33:20 -0600
From: Dick Schneider <rschneid@ix.netcom.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [38186] Ten Tec QRP Gear For Sale - CLARIFICATION
Message-ID: <37155DFF.B24D680F@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Apologies all around...

The Ten Tec Argonaut for sale is the 505.

72 Dick AB0CD..

Date: Wed, 14 Apr 1999 23:51:27 -0400
From: Russ Hines <radioruss@fuse.net>
To: lha@sdr.utias.utoronto.ca
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [38187] Re: Spread Spectrum
Message-ID: <3715623F.CCE42F5C@fuse.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Laura Halliday wrote:

>
> Spread spectrum solves important problems for commercial
> users. But does it solve *our* problems?

That's a very good point. For example, we may find that a narrowband digital voice modulation method may be more useful for our purposes (re: digital, "narrowband" may be a poor choice of terms, perhaps "a more coherent signal" is better). Such a method could allow stations to operate closer together in the spectrum at some fraction of the power now used for similar analog communication.

> Ironically, spread spectrum has coexistence issues with current
> amateur radio practice. If spread spectrum does useful things
> for us, we will need to agree, as hams, whether or not the price
> is worth it. It's not the first time a new mode has been incom-
> patible with an old one - consider AM vs SSB, or even the issues
> regarding HF packet and RTTY on 40 meters.

Radio broadcasters are now dealing with this also, as they try to come up with a practical in-band-on-channel digital system.

Seems to me every new mode presented a compatibility issue of some sort, so I don't think that's a problem. Hams have "been there, done that."

BTW, great discussion.

73,

WB8ZCC

Date: Thu, 15 Apr 1999 00:31:54 EDT
From: DYARNES@aol.com
To: radman@best.com, qrp-1@lehigh.edu
Subject: [38188] Re: [Elecraft] RS 22-504 PS
Message-ID: <f0a57380.2446c5ba@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 4/14/99 7:13:54 PM !!!First Boot!!!, radman@best.com writes:

<< And on a cautionary note, on the RS 22-504 >>
,Hey y'all---

I think the stock number is 22-503, not 22-504. I'm away from home right now, so can't say for sure, but I'm pretty sure that's right.

Dave W7AQK

Date: Wed, 14 Apr 1999 19:26:06 -1000
From: "Art Neilson, KH7PZ" <art@hawaii.rr.com>
To: qrp-1@lehigh.edu
Subject: [38189] AADE L/C meter
Message-ID: <3.0.6.32.19990414192606.008895e0@pop-server>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm thinking of purchasing this L/C meter kit from AADE, have any of you out there built the kit and use the meter for your QRP projects? It looks pretty neat but I thought I'd gather the collective wisdom of this fine group first ;^)

73's & Aloha, Art Neilson KH7PZ

```

  /__ )    _/_  It is a capital mistake to theorise before one has data.
 /--/ __ /    Insensibly one begins to twist facts to suit theories,
 / (/_ ( _<__ Instead of theories to suit facts.
                -- Sherlock Holmes, "A Scandal in Bohemia"
```

Arthur W. Neilson III, KH7PZ
Bank of Hawaii Tech Support

art@hawaii.rr.com

Date: Wed, 14 Apr 1999 22:35:25 -0700
From: Thomas Kuehl <ac7a@uswest.net>
To: n6kr@elecraft.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [38190] Re: K2 DROP TEST -- SUCCESS!
Message-ID: <37157A9D.40CF15B@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Wayne:

Yes, the ICOM 730 door and pot did make it here to Tucson sometime today. There was a strong breeze from Cal blowing this way. I anxiously await the delivery of my K2 as well, but please; use a different delivery method!

Thanks for the info' on the K2 ruggedness, but poor s/n 0001. Are you going to post a picture of its remains on the web site?

Best Regards, Thomas - AC7A

Wayne Burdick wrote:

> With all the talk of doing a drop test of the K2 and whether there would be
> a volunteer, I thought I'd better just drop-test serial number 00001 and be
> done with it.

>

> The neighbors must have had their rosaries out as they watched me climb the
> 70' pine tree near my house. It was a gorgeous day, and the local squirrels
> cleared a path, eyeing me as if I might be an oversize nut. Soon I was
> peering out across Belmont from near the top of the tree, my K2 in one hand
> and an Icom IC730 in the other. The IC730 would serve as an experimental
> control.

>

> After brushing aside several second thoughts, I balanced on the far reaches
> of a major branch and heaved the 20-pound IC730 earthwards. I seemed to see
> the entire thing in slow-mo. Seconds later, the rig hit the concrete patio
> with a spectacular, explosive crash, spreading debris into the next two zip
> codes. A one-foot crater testified to the strength of impact. The neighbors
> cheered. (I cheered, too, because as a side-effect of this control
> experiment I would never again have to put up with that little access-door
> on top of the IC730 that one had to open to get to the sidetone volume pot.

> Both the access door and the pot were now in approximately Tuscon.)
>
> Then came the moment of truth: how would the K2 fare? Again I stepped
> cautiously out onto the branch. I tossed the rig up and out, and could
> barely muster the courage to watch as my helpless little K2 described its
> final, parting parabola.
>
> What happened next I'll never forget. As the rig approached the ground at
> high speed, I realized I had neglected to remove the internal 3AH
> rechargeable battery before doing the test, and had also left a 3' loaded
> 40m whip attached to the antenna jack. The added weight of the battery and
> the aerodynamic properties of the whip--combined with the natural spring
> tension of the K2's .080" aluminum side panels--caused the unit to hit the
> ground at an optimal angle, and darned if it didn't bounce straight back
> up.
>
> The force of the contact must have jarred the on-off switch into the ON
> position, and additionally seems to have kicked off the SCAN feature. On
> the first bounce the rig came nearly all the way back up to the level of my
> tree branch, and I could see from the display that the VFO had locked onto
> the fox at 7040.
>
> I feel pretty good about the results of the bounce test. While I don't
> recommend that everyone else try the same thing, you can certainly rest
> assured that a bone-jarring trip down a dirt road in your Hum-Vee won't
> hurt your K2.
>
> Wayne
> N6KR
>
> Vice President of Hyperbole
> Elecraft

Date: Thu, 15 Apr 1999 01:44:15 EDT
From: PUNISHER3@aol.com
To: qrp-l@lehigh.edu
Subject: [38191] Wow...lots of dx while qrp
Message-ID: <574adfa6.2446d6af@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, i'm addicted.

Tonight, i talked to 3 europeans in a row, and each one was very delighted to talk to someone only running 4 watts. They even turned Their power down to qrp too...it was very fun, wow, a 2 way qrp qso with someone on the other side of the planet :) I think this power meter will stay full counter-clockwise.... until i order one of the new red hot radios hi hi

If any of you guys have free time at night...definatly switch over to 20 meters...its REALLY alive.

well, 73/72 for now,
de NW7DX/QRP Redmond, Wa
14 yr old extra class

Date: Wed, 14 Apr 1999 23:22:05 -0700
From: Thomas Kuehl <ac7a@uswest.net>
To: wa4dou@usa.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [38192] Re: [Re: Medium Wave Web-site]
Message-ID: <3715858D.354962B6@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Roy:

Most of my BCB DXing is done when I am driving my kids to and from martial arts classes in the evenings. My kids find it odd how I'll drive along, fiddling with the radio knobs, straining to hear some AM station way off yonder, buried in the static and ignition noise. They only like the local "alternative" FM station. Some catchy tunes, but not much in the way of DX.

Best Regards, Thomas - AC7A

Roy Lincoln wrote:

> Hi Bill and Thomas,
> BCB Dx'ing and SWL'ing were once the "traditional" route into ham
> radio.Nothing wrong with BCB DX'ing! I still do it occasionally! I still like
> crystal radios and "regen" receivers. There are others here too! :o)
> 73 Roy Lincoln WA4DOU
> p.s. There used to be what was called "Whites Radio Log", it had the freq.
> and call of every AM broadcast station in the country. I think it gave the
> power too! From N.C., my all time best DX was KFI in Los Angeles.
>
> "Bill Todd" <bill@willapabay.org> wrote:

> >I like to cruise the AM broadcast band looking for distant
> >stations. Any help from the group is appreciated.
> >
> >Regards, Thomas - AC7A
>
> Hi Thomas - I thought I was one of the VERY few who did that (ha ha). When
> I was a teenager (oh,,,,at least 10 years ago...yeah right) I had a big GE
> transistor radio with an external antenna connection in the back.
>
> >From my location in Bellevue, WA, I used to listen to the broadcast band
> well in to the we hours of the morning. I recall that the best night of the
> week to listen was Sunday evening/morning. One advantage we had back in the
> 60's, was that more radio stations seemed to go off the air after midnight.
> Today, there seems to be less of that, so it is a bit harder to do BC
> surfing.
>
> I could often pull out KOB in Albuquerque, KMOX in St. Louis, and all the
> California big guns. One time I even heard WHAM in New York.
>
> Good luck in your adventure.
>
> CUL, Bill-N7MFB
>
> -----
> Get free e-mail and a permanent address at <http://www.netaddress.com/?N=1>

Date: Thu, 15 Apr 1999 00:16:43 -0700
From: "Bill Todd" <bill@willapabay.org>
To: <ac7a@uswest.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [38193] Medium Wave Web-site & Static
Message-ID: <000a01be870f\$eac21640\$e8added1@bill>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Hello Roy:
>
>My kids find it odd how I'll drive along, fiddling with
>the radio knobs, straining to hear some AM station way off yonder, buried
>in the
>static and ignition noise.

Hi Tom - You know, this is another odd characteristic of CW ops. We don't have any problem at all listening to a low level static-filled AM station...but it drives just about everyone else nuts!

I thought I was the only one who had this problem (<g>).

CUL, Bill-N7MFB

Date: Thu, 15 Apr 1999 04:17:20 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [38194] QRP and PSK31 Consummated
Message-ID: <19990415.042005.-17617.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hay Gang,

I have been running QRP and QRPp PSK31 for several months now and it is a QRP BLAST!

I posted the following to the qrp-l a while back and several accused me of an April Fool's Joke :-)

.....snip.....

Subject: Re: psk31 or thereabouts

Yep PSK31 is one super, weak signal mode, unbelievable!

Here are some examples...

MD to AZ (2000 miles) at 0.5 Watts,
MD to west coast at 5 Watts,
MD to Europe at 5 Watts,
and not just once but many times.

A four way QSO to include OK2, FL, AZ, MD
(MD was 5 Watts) that lasted almost an hour.

After going sk with a VE2 a G4 called me. I COULD NOT HEAR HIS SIGNAL WITH MY EAR, I ONLY SAW HIS PRINT ON MY MONITOR. My RST was 329, I gave

him a 319, I am sure we were both being very generous. The QSO lasted twenty minutes with a worse case print of 80%, we did go QPSK with a little improvement. I never did "hear" his signal and NEVER touched the receiver tuning control, in fact I "locked" the tuning control just in case it got bumped, while other digitals were much, much louder.

PSK31 (a keyboard to keyboard, rag chew mode) is so much more relaxed than the other digital modes and as Joel pointed out, it requires much less bandwidth, hence less QRM to other modes.

The Windows version >>p31sbw105.zip <<
is free for amateur radio use and
can be downloaded from
>><http://aintel.bi.ehu.es/psk31.html><<
or if speed is a problem from
>><http://www.kender.es/~edu/psk31.html><<
you only need a sound blaster and a SSB radio,
...thanks again Peter -G3PLX-, John...

John
N3AAZ
FM19xa
.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 15 Apr 1999 06:05:47 -0400
From: K4AHK@ix.netcom.com
To: qrp-l mail <qrp-l@Lehigh.EDU>
Cc: Bill Harding <K4AHK@ix.netcom.com>
Subject: [38195] Coax cables
Message-ID: <3715B9F3.6EDB@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Many thanks to the bunch of you that responded to my request for a coax type to replace the RG-213 that failed in my attic.

I received suggestions to look at web sites for The RF Connection, The

Wireman, and Belden. Almost everyone suggested type 9913F coax and it appears that you are correct. If you get a chance, go to Belden's web site at www.belden.com and read the short tech paper entitled "F is for Flexible" in the Communications Cables section.

Older type 9913, with a helical wrapped air dielectric, will allow moisture to get inside when used in outside environs.

Type 9913F has a gas-injected high-density polyethylene foam dielectric which resists center conductor migration and water absorption. The attenuation specs of 9913F are a little better than my original 213 also. A small bend radius of 6 inches is allowed for 9913F - a great plus when routing the stuff around the shack.

Thanks again for the help.

Bill - K4AHK

Date: Thu, 15 Apr 1999 04:53:59 -0700
From: Zeek Zilch <zeekzilch@chisp.net>
To: qrp-1@Lehigh.EDU
Subject: [38196] Ten Tec Receive Current?
Message-ID: <3715D357.351BC8A6@chisp.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm interested in AB0CD's Ten Tec Argonaut but was wondering if anyone knows how much current they draw on receive? AB0CD, via telephone, went through the owner's manual with me but could not find the info - apparently that kind of info wasn't published by Ten Tec back then...

Roger J. Wendell
WB0JNR

Date: Thu, 15 Apr 1999 07:04:30 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [38197] Miles per watt question (PSK31)
Message-ID: <19990415.070436.-17617.1.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

Just had a TWO WAY QRP PSK31 QSO with a VK2 near Tamworth from 0915 to 0932Z.

FYI, he was running 100 W until I advised I was QRP at about 5 watts then he dropped to 5 W. Even then worse case print was 80% due to QSB.

Now at 0915Z it is "dark" over the Pacific and US and it is "light" over the Atlantic, Europe and Indian Ocean. It was probably (my guess) "gray line" at both ends too and how gray line affects the calculation I don't have a clue.

My question is...

Would that 0915Z QSO from MD to VK2 land be considered "long path" or "short path"?

John
N3AAZ
FM19xa
.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 15 Apr 99 08:03:05 EDT
From: "L. Mark Pilant - MS ZK03-4/Y02 DTN 264-1529" <pilant@seesaw.ENABLE.dec.com>
To: qrp-l@lehigh.edu
Cc: pilant@seesaw.ENABLE.dec.com, rohre@arlut.utexas.edu
Subject: [38198] RE: for? Ballentine counter 5725c
Message-ID: <9904151203.AA09569@us2rnc.zko.dec.com>

Stuart, Ballintine is alive and kicking. Their web page is:

<http://www.ballantinelabs.com/>

For snail mail:

Ballantine Laboratories, Inc.
9 Saddle Road
Cedar Knolls
NJ 07927

Tel: 973-984-1900
Fax: 973-984-1479

email: sales@ballantinelabs.com

Several months back, I sent them e-mail trying to obtain information about a model 421 calibrator I picked up. I was able to obtain a manual for a 421B (with schematic) which ws similar, and a 421 (without the schematic). (I was able to figure out enough of the circuit from the updated schematic to repair the unit I had.)

It might be worth a try to contact them about the counter.

73

- Mark N1VQW

Date: Thu, 15 Apr 1999 08:05:15 EDT
From: Bensondj@aol.com
To: qrp-l@lehigh.edu
Subject: [38199] SW+ mounting posts
Message-ID: <6cd021c2.24472ffb@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>>Al - Dave Benson of Small Wonder Labs is mailing me the correct standoffs for my SW40+. Evidently he got a batch of too short standoffs mixed in with the taller ones. ...<<

>At 03:17 PM 4/13/99 -0400, you wrote:

>>I found the plastic standoffs that came with the SW40+ case were tall enough to let the screws protrude under the board. Maybe a different part has been substituted?<<

gang-

That's 'mixed in' as in 'my error'- Art was being diplomatic! The correct 1/4" posts were unavailable, and I substituted a 1/8" post without accounting for the screw interference.

If you've got the 1/8"-standoff post (and there are only a few like this),

please contact me for an immediate replacement.

73- Dave Benson, NN1G

Date: Thu, 15 Apr 1999 08:14:35 -0400
From: Jim Lyons <lyons@canada.com>
To: rohre@arlut.utexas.edu, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [38200] Re: for? Ballentine counter 5725c
Message-ID: <3.0.5.32.19990415081435.00817ae0@pop.hip.cam.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

BallAntine not Ballentine are on the web ... just do a search. I have a
scope of theirs ...AM/USM-398 ... that I'd like to get info for but haven't
tried to contact them yet but I found their page.

Jim Lyons, VE2KN
Montreal

At 09:17 PM 4/14/99 -0500, rohre wrote:
>Ballentine Instruments was the company who were best known for their linear
>range AC audio voltage dB meters. Later they made a portable scope and the
>counter.

SNIP

Date: Thu, 15 Apr 1999 08:20:20 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: jwodell@ameritech.net
Cc: QRP-L@Lehigh.EDU
Subject: [38201] Re: FS: MXM 30M xcvr
Message-ID: <3715D984.4F5C@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jerry,

MXM is the product of MXM Industries, formerly of Smithville, Texas. The radios were designed by Bruce Williams, WA6IVC, a long time ham who was originally the general manager at SWAN, worked for many years in the Aerospace Industry, and then went to work at The League until he retired to Smithville. Bruce Passed away in late 1997.

MXM Industries is now owned by myself and will come back to life as MXM II, probably this summer. The rig in question was available as a 80 through 20 meter single band transceiver with the only double conversion receiver available at that time. It's was the most sensitive receiver available at the time.

MXM's radios are OUT OF PRODUCTION at the present time and until I get it together they will remain that way. DO not write for specs or sale prices at the present time. When I am ready I will announce it to the list plus the media.

Thanks, and 73

Date: Thu, 15 Apr 1999 09:16:33 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@lehigh.edu
Subject: [38202] Re: The perils of putting +12v into a +5v hole\\! Ouch\\!
Message-ID: <3715E6AF.92850F84@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

<http://www.national.com/pf/LM/LM2940.html>

The typical voltage drop is just 0.5 volts, with a max of 1 volt at 1 amp. I like to use 8 or 10 volt versions for battery powered gear I design.

The adjustable LM2941 is useful for those odd voltages like 13.8 volts.

The 12 volt version might be useful for running 12 volt gear off 13 or 13.8 volt power supplies.

Don't forget the output capacitor--its not optional.

73--Zack Lau

Date: Thu, 15 Apr 1999 09:37:53 -0400
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: bill@willapabay.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [38203] Re: Medium Wave Web-site & Static
Message-ID: <3715EBB1.8A2E762@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey!
Have you guys been talking to my XLY?

Bill Todd wrote:

>
> >Hello Roy:
> >
> My kids find it odd how I'll drive along, fiddling with
> >the radio knobs, straining to hear some AM station way off yonder, buried
> in the
> >static and ignition noise.
>
> Hi Tom - You know, this is another odd characteristic of CW ops. We don't
> have any problem at all listening to a low level static-filled AM
> station...but it drives just about everyone else nuts!
>
> I thought I was the only one who had this problem (<g>).
>
> CUL, Bill-N7MFB

Date: Thu, 15 Apr 1999 08:43:47 -0500
From: "V.C. Angell" <angell@northernnet.com>
To: qrp-l@Lehigh.EDU
Subject: [38204] OHR 100A sold
Message-ID: <103120603b33b9d38b2a3@[205.198.127.143]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thanks for all who made an offer and sorry for the double posting, but servers do die. I guess only when my mail is on them. Hi Hi

72,

"VC" KCOEM

V.C. Angell

<http://www.jewelry-magick.com>

Jewelry with a secret

Date: Thu, 15 Apr 1999 08:58:41 -0500
From: "Ed Manuel, N5EM" <n5em@flash.net>
To: hqrp@stevens.com
Cc: qrp-1@lehigh.edu, hats@stevens.com
Subject: [38205] HQRP Meeting This Week
Message-ID: <3.0.5.32.19990415085841.00885640@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy, Gang.

This week is the third Saturday so . . . it must be time for the monthly meeting of the Houston QRP Club!

Come on out and join us this Saturday, April 17th from 9am to 11am in the community room of Union Planters Bank, 5005 Woodway just west of the 610 Loop.

Bring your latest project, any items you have for sale or trade and your enthusiasm!

We'll be talking Dayton and Field Day for sure. We'll also decide what to do about the May meeting that occurs the Saturday of Dayton.

As always, anyone interested in low power operating is welcome. And, if fate brings you into Houston for the weekend, make plans to drop in and meet the gang.

72 and see you there.

Ed Manuel, N5EM

www.stevens.com/hqrp

n5em@amsat.org

Date: Thu, 15 Apr 1999 10:29:50 -0400
From: "George Goodroe" <goodroe@worldnet.att.net>
To: "Qrp-L@Lehigh.Edu (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [38206] 10 turn pot for NorCal40A?
Message-ID: <000101be874c\$759de960\$4d91fea9@ggoodroe>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anyone have a heads up on a part number and source for the recommended
10 turn Pot that will fit perfectly into the NC40A?

Thanks and 73 de KF4CPJ
George Goodroe
St. Petersburg, Florida USA
80 Meter high noise capital of the USA <grin>

Date: Thu, 15 Apr 1999 08:30:46 -0600
From: Larry East <wlhue@amsat.org>
To: qrp-l@lehigh.edu
Subject: [38207] RE: K2 Drop Test
Message-ID: <3.0.3.32.19990415083046.0090d710@axp1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>From Wayne, Vice President of Bull S... woops, I mean Hyperbole:

>

> ...

>

> What happened next I'll never forget. As the rig approached the ground at
> high speed, I realized I had neglected to remove the internal 3AH
> rechargeable battery before doing the test, and had also left a 3' loaded
> 40m whip attached to the antenna jack. The added weight of the battery and
> the aerodynamic properties of the whip--combined with the natural spring
> tension of the K2's .080" aluminum side panels--caused the unit to hit the
> ground at an optimal angle, and darned if it didn't bounce straight back
> up.

>

> The force of the contact must have jarred the on-off switch into the ON
> position, and additionally seems to have kicked off the SCAN feature. On

> the first bounce the rig came nearly all the way back up to the level of my
> tree branch, and I could see from the display that the VFO had locked onto
> the fox at 7040.
>

Hey Wayne -- think you could arrange a "group buy" for whatever you have
been snortin' ??? :o) ;-)

(Don't try that at home, kids... :-)

Date: Thu, 15 Apr 1999 11:02:18 -0400
From: elawson@lr.net (Ed Lawson)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [38208] QRPTTF Newbie Questions
Message-ID: <19990415145130.AAA15828@office4.office.new>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have never operated in the QRPTTF and I am a relative
newbie in the QRP world.

I am planning on an operation for QRPTTF and trying
to determine what equipment and modes are worthwhile.
This leads to a few questions such as:

1. Is there much SSB activity?
2. Do most contestants stay near the QRP calling frequencies?
3. Are there any logging programs which are specifically designed
QRPTTF or can be readily used?
4. Is the level of activity similar to the Spring QSO party of last weekend.

Thanks in advance.

Ed Lawson
K1VP

Date: Thu, 15 Apr 1999 11:00:50 -0400
From: "Karty, Steven" <kartys@ncs.gov>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>

Subject: [38209] QRP-p first-quarter 1999 issue?
Message-ID: <41A8197B6ABCD2119C0600204804F0CC1629DB@rbmail101.chamb.disa.mil>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Has the first quarter 1999 QRP-p issue come out? I'm just concerned that my renewal (which I sent in the early part of December 1998) might have gotten lost.

TNX es 72, Steven - N5SK

Date: Thu, 15 Apr 1999 09:09:26 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [38210] Glacier Hamfest QRP
Message-ID: <Pine.LNX.3.95.990415084936.22732C-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

OK folks, I've been in touch with Jerry Webster, KJ7TR, who is one of the Directors for the Glacier/Waterton hamfest for this July...as was mentioned there was the possibility of Bill, KA7YAO, doing a qrp thing but he is going to present a Satellite Communications Seminar....so guess who was asked to get something together for a QRP gathering?...HI HI...so I got together with my good buddy Earl, VE6EWM, via e-mail and 80 mtrs ssb seeing that the two of us put on a QRP Workshop at the last Saskatchewan Provincial Hamfest....here's the scoop....it will be an informal get-together for QRP interested hams but definitely on the hamfest agenda schedule...Earl and I will put something loosely together and do an introduction and things will take off from there....bring your QRP devices from a K2 (drool!) to a qrp tuner, dummy load, etc for show and tell....we'll knock experiences and ideas around, tell lies about working DXCC with 50 microwatts connected to a dummy load and all that....I still have the list of 7/8 hams interested and maybe that will grow with this posting?...doing an introduction will also be for hams who at the present time do not do QRP but might be curious and who knows maybe a conversion or two or three?...HI HI...I WOULD APPRECIATE RECEIVING IDEAS AND SUGGESTIONS FROM ANYONE WHICH WOULD ENHANCE OUR TIME TOGETHER which will probably 1 hour....as some of us know, the QRP presentation last year was cancelled because it wasn't able to be pulled together in time...so I think that this approach should work and shouldn't burden anyone with a huge load....sort of like a pot-luck supper except we'll bring qrp stuff instead of food....HAR!...we should all have a great time and eyeball..... :-)

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada
"QRP! How sweet it is!"

Date: Thu, 15 Apr 1999 11:41:11 -0400
From: "Stephen Gibson" <SWGibson@worldnet.att.net>
To: <qrp-l@Lehigh.EDU>
Subject: [38211] One item left
Message-ID: <013201be8756\$881b99c0\$9c744e0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The OHR 100A 40M rig is left from my clean-up-the-shack sale. This is a fully operational rig, not a kit, and is priced at \$75 which includes shipping via USPS Priority Mail as soon as the rush to file tax returns dies down!!

72/73

Steve, WB4NBI

Date: Thu, 15 Apr 1999 12:10:54 -0400
From: Ken Newman <N2CQ@citnet.com>
To: njqrp@njqrp.org, epaqrp-l@lehigh.edu, QRP-L@lehigh.edu
Subject: [38212] Hamfest Portable Station Awarded!
Message-ID: <3.0.6.32.19990415121054.0087b100@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi QRPers,

Many of you have read the "Hamfest Portable Station" article by Jim Nestor, WK8G published it the Jan '99 QRP ARCI QRP Quarterly. Jim, with Joe Everhart N2CX, George Heron N2APB, provided a fine presentation for QRP as well as the interesting portable QRP station. These Gents provided help for QRP WANNABEs and many questions answered at the South Jersey Radio Association Hamfest in '98. Tony, W2GUM and Bob, W3BBO also provided answers for QRP questions.

The SJRA did appreciate the efforts from the NJQRP Club at the 'fest by providing a "Cerifificate of Achievement".

The certificate reads: "For recognition of outstanding participation
in connection with the following SJRA activities: Hamfest Presentation"
Congratulations to the NJQRP Club for the fine job on the QRP Event.

(The certificate will be seen at the next NJQRP Club)

72/73 de
Ken Newman - N2CQ
Woodbury, NJ

N2CQ@ARRL.NET

~~~NJ QRP Club Home Page ~~~  
<http://www.NJQRP.org>

~~~Club Callsign~~~  
WQ2RP

Date: Thu, 15 Apr 1999 11:18:05 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [38213] Ultra bright LED
Message-ID: <000001be875b\$8bb19f80\$d8016f81@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I'm looking for a super bright red LED in the 15000 to 20000 mcd range. I
know they exist, I've seen them used in signs and on semi tail lights. The
brightest I've seen are in the 10k-12k range.

Thanks

Kevin, WB5RUE

Date: Thu, 15 Apr 1999 09:36:48 -0700 (PDT)

From: Ron Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [38214] PSK31 Contest (fwd)
Message-ID: <Pine.SOL.3.96.990415093437.5221B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Folks,

I thought some of you might be interested in seeing this. Another good chance for QRP to have fun with the "Big Boys" and maybe even win!

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

----- Forwarded message -----

The 1st Annual TARA PSK31 Rumble

Sponsored by the Troy ARA.

Time: April 17th 00:00z through 24:00z
Exchange: Name and State/ Prov/ DX send DXCC country prefix.
Categories: Run only single transmitter/ single operator.
 Novice / Tech add suffix /X

Normal Category ---- 100 watts MAX.
Great Category ----- 20 watts MAX.
Super Category ----- 5 watts MAX.

Band: 3.600 to 3.675 kHz, 7.080 to 7.100 kHz, 14.100 to 14.150 kHz,
 21.100 to 21.150 kHz, 28.100 to 28.300 kHz and 50.100 to
 54.000 kHz

NOTE: Please keep to these frequency recommendations leaving the
 'normal' PSK calling frequencies to 'non contest' PSKers.

1. QSO Points:
 Stations can be worked once on each band for points. Each QSO
 scores 1 point. Novice/Tech multiply QSO points by 5.
2. Multipliers:
 All DXCC Countries and call areas of W, VE, JA, and VK on each
 band. Category 'Great' multiply by 2. Category 'Super' multiply by 5.
3. Scoring:

QSO point (calculated as 1. above) x Multipliers (calculated as 2. above.)

Post, Band and Number of QSO's for each band, and Claimed Score
to: psk@n2ty.org by 1st May 1999.

Include Category Worked, your Name, Callsign and any comments!

Certificates/Awards to 1st, 2nd and 3rd in each category. 1st, 2nd and 3rd in Novice entry and an award for US States Clean Sweep....

Date: Thu, 15 Apr 1999 09:54:04 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [38215] Jim Gooch NorCal Cap kit confirmation
Message-ID: <01be8760\$927b0ae0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry for the bandwidth, but Jim's email keeps bouncing.

Jim, your order is confirmed. Please send a check or money
order for \$34 made out to Jim Cates, NOT NorCal, to:

.
Jim Cates
NorCal Cap Kit
3241 Eastwood Rd.
Sacramento, CA 95821

.
Please include a self-addressed mailing label. If you don't have label
stock, just print your name and address neatly on a piece of white paper or
card that we can cut out and use for a mailing label. Please don't forget
this, as it speeds up the process immensely. Kits should mail by June 1st.
72, Doug, KI6DS

Date: Thu, 15 Apr 1999 12:51:54 -0400
From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [38216] K2 GATOR TEST
Message-ID: <19990415.125407.-312229.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

hIGH gang:

could someone loan me a K2 so I can give it the gator test...

I plan to tie some chicken meat to the K2 and toss it to Leroy (our pet 20ft gator) and see if it can survive his "chomp"... Course I'll have Leroy caged and retrieve the K2 when it reaches the other end of Leroy's 20ft... Hee hee

should be the ultimate test.... and besides Leroy really loves my cajun mama's cooking...

Joel in maine
tthinking of dixie and gators and snakes and crawfish....

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 15 Apr 1999 12:58:55 -0400
From: DNT1@daimlerchrysler.com
To: qrp-1@Lehigh.EDU
Subject: [38217] Re: PSK31 Contest (fwd)
Message-ID: <85256754.005D50D7.00@lmgodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Ron, KU7Y forwarded:

> Band: 3.600 to 3.675 kHz, 7.080 to 7.100 kHz, 14.100 to 14.150 kHz,
> 21.100 to 21.150 kHz, 28.100 to 28.300 kHz and 50.100 to
> 54.000 kHz
> NOTE: Please keep to these frequency recommendations leaving the
> 'normal' PSK calling frequencies to 'non contest' PSKers.

Interesting frequency allocations for PSK31, I'm surprised to see that our new "experimental" low freq. allocations so plentiful! ;-) I knew that the folks playing with this new mode had good success at 1800 kHz, but this is astounding!

Date: Thu, 15 Apr 1999 10:14:28 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [38218] HamCom Hotel Reservations
Message-ID: <01be8763\$6bd229c0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys, I called the Marriott Hotel for room reservations for Hamcom yesterday, (thanks to George Pierce for his posting). And, now there are 20 rooms left because I took 2 of them, one for Jim Cates, and the other for Paul Harden and myself. Jim is driving, I will be flying to Albuquerque on Friday, June 11th where I will meet Paul, and then we will fly together from Albuquerque to Dallas (thanks Jim Wright) where we will arrive at about 9:30 Friday night. I am really looking forward to seeing all of the guys down in Texas, and so far, I know that the following will be there:

Ed Manuel
Stuart Rohre
Joe Spencer
Barbra Spencer
Doc Drake
Larry Wise
Jay Bromley
Chuck Adams
Doug Hendricks
Jim Cates
Paul Harden
Jerry Parker
George Dobbs
Graham Firth
Tony Fishpool
George Pierce
Glen Reid

Plus the baja Kansas crowd (Dub, Cliff, and the boys) usually turns out full force for this one. (Baja Kansas is Oklahoma to those of you who don't get it.) I have it from a good source that Gov. Bush will be issuing temporary

visas to the baja Kansas guys so they can enter the state legally.

NorCal will be donating a NorCal 20 kit, The G-QRP Club and NorCal will have a table right next to Doc Drake and the boys from Texas, and they have about 3 hours of seminars planned. Last year on Saturday night, we all got together and went out to dinner at some french sounding place that had the very best fried crawdads that I have ever eaten. It's gonna be fun in HamCom this year. Hope to see you there. Please post to the list if you plan on attending, as we want to know who all is gonna be there, and the more the merrier.

72, Doug, KI6DS

Date: Thu, 15 Apr 1999 17:15:54 +0100
From: "David Hurley, n2zhy" <n2zhy@amsat.org>
To: ko6gf@slip.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [38219] Re: H.A.A.R.P. QRP Afterall? (Long)
Message-ID: <371610BA.DC677472@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I also copied the Haarp test a few weeks back.

Signals were very very weak in Central New Jersey. Several of us guys were listening. I had easier times coping the fox on a rotten nite than these guys with all the power they were running. I believe they profess 3.6 million watts!

Anyway, here is the site.

http://w3.nrl.navy.mil/projects/haarp/ltst/hh2_0.html

74

David,n2zhy
Princeton,NJ

Denis Englander wrote:

>
> We've been kicking the notion around
> regarding ERP and the recent H.A.A.R.P. signal tests.

Date: Thu, 15 Apr 1999 11:10:44 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [38220] Mizuho vs AEA
Message-ID: <37161D94.5512@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all who responded to my question about the above two rigs..

72, Tom WB5QYT

Date: Thu, 15 Apr 1999 12:22:05 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: <n3aaz-qrp@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [38221] Re: Miles per watt question (PSK31)
Message-ID: <003901be8764\$7cbb94a0\$0837a497@aa5tb>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

John,

At what frequency did you work the VK2?

73,
Steve Yates
AA5TB
Fort Worth, TX
<http://home.swbell.net/aa5tb>
aa5tb@swbell.net

Date: Thu, 15 Apr 1999 11:12:47 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [38222] Crystal info needed

Message-ID: <37161E0F.6FCB@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRPer's!

Need crystal ordering info for the Mizuho radio. Want to change cw
portion to be from 7.030 to 7.060..

Thanks, Tom WB5QYT.."Have spud will travel!"

Date: Thu, 15 Apr 1999 07:24:49 -1000
From: "Art Neilson, KH7PZ" <art@hawaii.rr.com>
To: qrp-l@lehigh.edu
Subject: [38223] AADE L/C meter VS BK precision component tester
Message-ID: <3.0.6.32.19990415072449.0087a810@pop-server>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK guys!!! I've received at least a dozen positive comments regarding the
AADE L/C meter. Sounds like a great addition to any shack, very useful.
I am comparing this to a BK precision component test meter model 851
available from Wassco for \$99. The BK web page indicates the unit measures
capacitance, resistance and inductance but doesn't provide any specs on the
sensitivity or range of measurement. I'm trying to decide twhich to get,
the AADE L/C meter or the BK component tester. The component tester looks
more versitile as it can test diodes and transistors too. Anyone have the
BK precision model 851? Please don't tell me to just get both :) :) !!!

 /--) /_/ It is a capital mistake to theorise before one has data.
 /--/ __ / Insensibly one begins to twist facts to suit theories,
/ (_/ (_<__ Instead of theories to suit facts.
 -- Sherlock Holmes, "A Scandal in Bohemia"

Arthur W. Neilson III, KH7PZ
Bank of Hawaii Tech Support
art@hawaii.rr.com

Date: Thu, 15 Apr 1999 10:25:44 -0700
From: "M. Monninger" <markem@primenet.com>
To: qrp-l@lehigh.edu
Subject: [38224] psk31 & Icom 735

Message-ID: <3.0.6.32.19990415102544.0083e390@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I need some advice on using my Icom 735 and psk31. The ACC1 jack on the rear panel has a pin for fixed level audio output which I assume would be usable to feed rcv audio to the computer. It also has a pin for "Input to the modulator stage for AFSK". Would this be usable for the psk31 transmit audio from the computer? Or should I feed it into the mic jack?

Thanks & 73... Mark AA7TA

Date: Wed, 14 Apr 1999 14:13:27 +0100
From: Dick Pascoe <dick.pascoe@kanga.demon.co.uk>
To: qrp-l@lehigh.edu
Subject: [38225] Business FS - Kanga Products
Message-ID: <hIHB07A3RJF3Ew4C@kanga.demon.co.uk>
MIME-Version: 1.0

Hi Gang,

One shot advert, no repeats.

Kanga Products, the well known British QRP kit company is for sale.
We currently export to over 50 countries with agents in just 2!

This is a hobby type business and can run alongside your normal
(mundane) daytime job.

I am selling because I always intended to retire this year.
Planned it since 1964!

If you are interested e-mail me for more details.

TTFN de ..

--
Dick Pascoe G0BPS
Kanga Products
Seaview House, Crete Road East

Folkestone CT18 7EG U.K.
Tel 44 (0) 1303 891106
<http://www.kanga.demon.co.uk>

Date: Thu, 15 Apr 1999 13:29:28 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-1@lehigh.edu
Subject: [38226] Re: Ultra bright LED
Message-ID: <371621F7.84C9359@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

<http://doc.semicon.toshiba.co.jp/seek/us/td/14hikari/140010.htm>

Zack W1VT

Date: Thu, 15 Apr 1999 10:33:00 -0700
From: "Doug Hauff" <slmachco@fix.net>
To: <qrp-1@LeHigh.edu>
Subject: [38227] NC 20 Custom Enclosure status
Message-ID: <199904151732.KAA09669@fletch.fix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sheet metal shop says they will be done today, if I can ship to anodizer tomorrow, I'll be able to engrave panels and ship next week. Should ship next Friday or early the next week latest. 72 Doug Hauff KE6RIE

Date: Thu, 15 Apr 1999 10:34:17 -0700
From: Danh Le <dle@san-jose.tt.slb.com>
To: qrp-1@lehigh.edu
Subject: [38228] Help with the Auttek MK-1 CMOS-1 keyer
Message-ID: <199904151733.KAA17416@iris.san-jose.tt.slb.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

I picked up this unit at a local swap-meet last weekend. There is no manual or schematics for it. The keyer seems to work ok, but every 20 seconds or so, it sends out a '1'. This happens with or without the paddles attached?

Does anyone has any idea what the problem is?

Tnx es 72 de Dan, ke6d

BTW, I would love to get a copy of the schematics for this unit and will be very happy to reimburse any expense.

=====
Danh Le, KE6D, Milpitas CA ke6d@arrl.net

Date: Thu, 15 Apr 1999 19:20:19 +0200
From: hw.merz@t-online.de (Hanns W. Merz)
To: qrp-1@lehigh.edu
Subject: [38229] Re: K2 DROP TEST -- SUCCESS!
Message-ID: <m10XpoJ-000640C@fwd00.btx.dtag.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8BIT
Content-Transfer-Encoding: 8BIT

Hi Wayne,

Thanks for the info!

But what about fire and water? S/N 0002 and 0003 are still waiting for the next tests. And would you please inform the gang in time when you are going to test the K2's resistance to an Electromagnetic Pulse perhaps in the Sierra of Nevada?

Looking forward to get my K2 soon with all new improvements (shockproof, waterproof and so on). But, please, stop development - it needs NOT to survive the next 1000 years...

Best regards
Hanns DK9NL

> Wayne Burdick wrote:

>

> > With all the talk of doing a drop test of the K2 and whether there would be

> > a volunteer, I thought I'd better just drop-test serial number 00001 and be
> > done with it.
> >
> > The neighbors must have had their rosaries out as they watched me climb the
> > 70' pine tree near my house. It was a gorgeous day, and the local squirrels
> > cleared a path, eyeing me as if I might be an oversize nut. Soon I was
> > peering out across Belmont from near the top of the tree, my K2 in one hand
> > and an Icom IC730 in the other. The IC730 would serve as an experimental
> > control.
> >
> > After brushing aside several second thoughts, I balanced on the far reaches
> > of a major branch and heaved the 20-pound IC730 earthwards. I seemed to see
> > the entire thing in slow-mo. Seconds later, the rig hit the concrete patio
> > with a spectacular, explosive crash, spreading debris into the next two zip
> > codes. A one-foot crater testified to the strength of impact. The neighbors
> > cheered. (I cheered, too, because as a side-effect of this control
> > experiment I would never again have to put up with that little access-door
> > on top of the IC730 that one had to open to get to the sidetone volume pot.
> > Both the access door and the pot were now in approximately Tuscon.)
> >
> > Then came the moment of truth: how would the K2 fare? Again I stepped
> > cautiously out onto the branch. I tossed the rig up and out, and could
> > barely muster the courage to watch as my helpless little K2 described its
> > final, parting parabola.
> >
> > What happened next I'll never forget. As the rig approached the ground at
> > high speed, I realized I had neglected to remove the internal 3AH
> > rechargeable battery before doing the test, and had also left a 3' loaded
> > 40m whip attached to the antenna jack. The added weight of the battery and
> > the aerodynamic properties of the whip--combined with the natural spring
> > tension of the K2's .080" aluminum side panels--caused the unit to hit the
> > ground at an optimal angle, and darned if it didn't bounce straight back
> > up.
> >
> > The force of the contact must have jarred the on-off switch into the ON
> > position, and additionally seems to have kicked off the SCAN feature. On
> > the first bounce the rig came nearly all the way back up to the level of my
> > tree branch, and I could see from the display that the VFO had locked onto
> > the fox at 7040.
> >
> > I feel pretty good about the results of the bounce test. While I don't
> > recommend that everyone else try the same thing, you can certainly rest
> > assured that a bone-jarring trip down a dirt road in your Hum-Vee won't
> > hurt your K2.
> >
> > Wayne
> > N6KR
> >

> > Vice President of Hyperbole
> > Elecraft

Date: Thu, 15 Apr 1999 17:48:41 -0500
From: "Lynn Simons" <lynnsimons@mindspring.com>
To: <ac7a@uswest.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [38230] Re: [Re: Medium Wave Web-site]
Message-ID: <003b01be8792\$1ceb24e0\$9ff510d1@lynn-s-computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Guys,

I really like this discussion of BCB DXing. That is how I got my start too way back when I was a young thing. I discovered BCB DXing when I was in the fifth grade. I grew up in WV and loved to listen to the Great Big sound of WLS out of Chicago back then.

My best AM catches were KFI out of Los Angeles and KOB out of Albuquerque.

I still do a little BCB DXing now and then. There is a replacement for the White's Radio Log. It is put out by the National Radio Club. It also lists the stations by call letters, towns, and frequencies. It includes a lot of data such as the power, antenna patterns, and addresses of the stations.

I think you can get a sample newsletter from them at

NRC
Box 5711
Topeka, KS 66605-0711

Now that is the address listed in my edition of their "AM Radio Log" which was published in 1996. So that address is a few years old. I'll bet you could do a search on the WWW and probably find them, who knows?

73/72 and good DX

Lynn, KJ3V
Birmingham, AL

Date: Thu, 15 Apr 1999 12:27:26 -0600
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: wb5rue@stic.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [38231] Re: Ultra bright LED
Message-ID: <37162F8E.935ACC96@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Kevin

The page is titled "The Brightest and Most Efficient LEDs and where to get them!" It is an excellent source of information. Check it out at <http://www.misty.com/~don/led.html>

Bruce kk7zz

Date: Thu, 15 Apr 1999 11:36:37 -0700
From: "Arthur G. Silvers" <ags@ieee.org>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [38232] RE: AFA Switch
Message-ID: <371631B5.FCB5E631@ieee.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang!

I used a micro-mini toggle on the front pannel. Love the functionality.

72 Arth W6AGS

Date: Thu, 15 Apr 1999 13:35:49 -0700
From: w4bws@juno.com
To: jeffj@scott.net
Cc: qrp-1@Lehigh.EDU
Subject: [38233] Re: CW in Advertising

Message-ID: <19990415.143007.-206495.2.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If you saw any of the MTV Spring Break programs, they had CW
in the intro to the commercials sending MTV Spring Break.
Don W4BWS
Obviously too much time on my hands.

On Wed, 14 Apr 1999 00:01:48 -0500 Jeff Johns <jeffj@scott.net> writes:
>Tonight while watching TV an AAMCO commercial popped up on the screen.
>I
>wasn't really paying attention to it until it was over and it then hit
>me
>like a ton of bricks, they are actually using CW for the letter M in
>their
>name. After 31 years of hearing "Double A, beep beep, M, C, O" I
>realized
>that the beep, beep is actually the letter M. I think I have been
>practicing
>CW too long in an attempt to upgrade <grin>.
>
>73 Jeff
>
> *----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857
>-----*
> |jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain
>|
> | Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's
>Dept|
> |200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA
>|
>
>*-----*

Don Sanders W4BWS
694 E. Eau Gallie Blvd
Satellite Beach ,FL 32937
My favorite QRP rig glows in the dark

Date: Thu, 15 Apr 1999 14:45:08 -0400 (EDT)
From: James Skalski <jskalski@localnet.com>

To: qrp-1@Lehigh.EDU
Subject: [38234] cross needle meter schematic
Message-ID:
<Pine.LNX.4.04.9904151442250.1636-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I sent out about 30 meters yesterday. There should be a schematic included.
If you got a meter without a schematic; drop me a note. I scanned a schematica and can send one as an email attachment.

73,

Jim n2go

Date: Thu, 15 Apr 1999 14:14:08 -0500
From: "J. W. (Dub) Thornton" <dub@oklahoma.net>
To: qrp-1@lehigh.edu
Subject: [38235] Re: [Elecraft] K2 DROP TEST -- SUCCESS!
Message-ID: <199904151915.0AA02782@ultra5.oklahoma.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Wayne, you are about 14 days late with this post. heh heh

-

J. W. (Dub) Thornton WA5YFY
Minco, OK.

Date: Thu, 15 Apr 1999 14:28:20 -0500
From: Jeff Johns <jeffj@scott.net>
To: qrp-1@Lehigh.EDU
Subject: [38236] QRP Satellite Operations
Message-ID: <199904151928.0AA15667x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Many people have requested info on how to work AO-27, QRP with an HT. Here's the ascii text from a handout that give out when doing talks at ham radio clubs:

A0-27

The following is a list of 5 frequency pairs which should be programmed into your HT:

- (1) 436.805 RX 145.845 TX
- (2) 436.800 RX 145.850 TX
- (3) 436.795 RX 145.850 TX
- (4) 436.790 RX 145.850 TX
- (5) 436.785 RX 145.855 TX

Start with the first set of frequencies for the beginning of the satellite's pass. As the 'bird' moves overhead during it's pass you will have to adjust up the frequency sets in order to adjust for the Doppler effect.

The stock 'rubber duck' antenna on most HT's will not be adequate to hear A0-27, although it is probably adequate for transmitting to the bird. For HT's with a BNC mount, the MFJ-1717 would be a recommended antenna and for HT's such as the Yaesu FT-50 and others with SMA connectors the MFJ-1715S antenna is recommended.

You will notice that when listening for the bird, that you may have to hold the HT in some very unique positions. I have found that for the beginning of the pass I have the best luck by holding the HT upside-down, with the antenna pointed at the ground (it looks silly but it works). Just remember, you are trying to match your HT antenna's polarization with that of a satellite that is 500 miles up traveling at approximately 16,600 miles per hour.

The QSO's on A0-27 are usually fairly rapid with the exchange of callsigns and grid squares (you do know your grid don't you?), although sometimes there is time for a quick exchange of "Hi", "How's the weather?", etc.. A beginner should not attempt to try and use the bird on weekends as it is typically a 'mass hysteria' situation. Weekdays are typically best for beginners and there are usually two good passes per day. The best pass will last approximately 15 minutes, although you will only be able to use about 10 minutes of the pass. DO NOT transmit until you can at least copy partial callsigns as you will only be adding to the QRM, which at times can be quite frustrating. There will never be a need to call CQ on A0-27. There will always be a group of people eager to talk to you.

It does take a bit of practice to work A0-27 with just a whip antenna, but once you get the hang of it you are guaranteed to have a blast working the satellite QRP via a 5 watt or less HT. Feel free to send me email if you have any additional questions or if I can help in anyway.

Jeff Johns W4JEF w4jef@amsat.org

The above has guided many people in working A0-27, I hope that it useful for some of the list members also.

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L# 1857 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, A0-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Thu, 15 Apr 1999 15:48:32 EDT
From: DENNISMO@aol.com
To: qrp-l@lehigh.edu
Subject: [38237] PSK31 Contest ... Where, When ..etc..
Message-ID: <eab7d431.24479c90@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang -

Does anyone know the how, when and where of the PSK31 contest that has been talked about here?

Tnx -

72 de Denny AD6EZ<><

Date: Thu, 15 Apr 1999 16:15:59 -0400
From: Wayne A Smith <k8ff@juno.com>
To: qrp-l@lehigh.edu
Subject: [38238] Palm Pilot
Message-ID: <19990415.161602.6774.0.k8ff@juno.com>

Yesterday at our weekly "HAM" breakfast the subject of Palm Pilots came up. We talked about the various amateur radio applications for the device. I remember that a few months ago a similar topic surfaced here on QRP-L. Unfortunately, I don't remember the discussion or its result.

Does anyone know of practical applications or even software that would be of use to the amateur radio station?? Please e-mail me with information.

Regards to all es 72, Wayne K8FF

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 15 Apr 1999 16:25:46 -0400
From: sergio <sruiz@bright.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [38239] Re: Palm Pilot
Message-ID: <37164B4A.B70CEDAC@bright.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> Does anyone know of practical applications or even software that would be
> of use to the amateur radio station?? Please e-mail me with information.
>

if someone would post this info to the list, i'd appreciate it..

--

peace,
sergio
<http://www.bright.net/~sruiz>
"the village buzz"

Date: Thu, 15 Apr 1999 16:24:29 -0400
From: Wayne A Smith <k8ff@juno.com>
To: qrp-l@lehigh.edu
Subject: [38240] FS: Scout Band Modules
Message-ID: <19990415.162430.6774.1.k8ff@juno.com>

I have only 2 band modules left from the recent sale of my Scout. The 80

and 17 meter modules are available for \$22.00 each shipping CONUS included. Send e-mail to hold and check to CBA to ship.

Best 72, Wayne K8FF

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 15 Apr 1999 13:42:01 +0000
From: sgc <sgc@sgcworld.com>
To: qrp-1@Lehigh.edu
Subject: [38241] Mini-Smartuner SG-237
Message-ID: <3715EC63.640D958E@sgcworld.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

SGC has just announced the design and production of a very small antenna coupler for portable and QRP applications. The model SG-237 microprocessor controlled antenna coupler was introduced at the AES Hamfest earlier this month, and will be available for delivery in June 1999.

The SG-237 will be sold as complete enclosed unit for \$295, and also in a PCB (printed circuit board) version for \$219.95.

For more information, details, and specifications of the SG-237 link to SGC's website: <http://www.sgcworld.com>

SGC, Inc.
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Date: Thu, 15 Apr 1999 15:27:01 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [38242] Glacier/Waterton Hamfest (fwd)
Message-ID: <Pine.LNX.3.95.990415152331.23886B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Here's the latest list of people who have indicated they might be attending the Glacier/Waterton Hamfest, middle weekend of July, and who would like to get together for a QRP chew eyeball which is now going be on the Hamfest Program!...if I've missed anyone please send me an e-mail....

Bill - WA7NWP John - VE6XT Earl - VE6EWM Bruce - VE5QRP
Roy - AB7CE Geno - NR0NR Don - VE6EY K7YD - Doug
Vern - N7SPK Jay - WA5WHN & WB5LYJ

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada
"QRP! How sweet it is!"

Date: Thu, 15 Apr 1999 15:33:18 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [38243] Spring Bouquet
Message-ID: <Pine.LNX.3.95.990415152712.23886C-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm going to try and join Peter, VE6YC, on the HF bands on Saturday, April 17th....I'll be near +/- the qrp freqs on 20,15 & 10 mtrs from 1900Z to 2100Z, Saturday afternoon.....hope to give out a lot of Prairie Lillys and listen for VE5QRP please...14.285 +/-.....not sure of the other bands.... 28.310....21.385?....I have a freq chart at home for qrp and I'll follow that including the European freqs listed there....it's on the Alaska QRP Web page....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada
"QRP! How sweet it is!"

Date: Thu, 15 Apr 1999 14:41:33 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [38244] NorCal Regen Building Contest at HamCom 99
Message-ID: <01be8788\$bba976e0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Guys, one of my favorite receivers to build is a Regen. So, I am sponsoring a Regen building contest at Dallas at HamCom 99. You can't use a commercial kit, such as the TenTec or MFJ. No, the purpose of this one is to have you build from a circuit such as Charles Kitchen's that were in QST, Communications Quarterly, and QEX. Or you can use a Paul Harden circuit from QRPp. There are others I am sure. If you know of a good Regen Schematic, post the details of where we can find it on qrp-l, or send it to me. This is a homebrew contest, and we want the rigs to be built by homebrewers. Use point to point ugly construction, Manhattan paddy board, Vero Board, maybe you'll etch your own pcboard, what have you, but build it and bring it to Hamcom. We'll judge these during the lunch hour, and announce the winners during the forums. The receiver must work, and we will turn them on and verify it.

There will be prizes, but the best award will be bragging rights in Texas. It doesn't get any bigger than that. I know that Bill Stietenroth, K5ZTY has built a dandy, and he is a natural entry. Ok, here are the simple short form rules.

1. No commercial kits allowed.
2. Must have a copy of the schematic.
3. Must be accompanied by a parts list.
4. Any type of construction is fine.
5. It does not have to be in a case, but one is preferred.
6. Decision of the judges is final.
7. Prizes will be awarded to the first 3 places at least, and maybe more.
8. Radios must be able to receive to be considered for judging.
9. Builders must have fun building.
10. No bonus points allowed for building in a Taco Bell.

Stuart Rohre, now is the time for you to step forward and show us what you can do!!

Date: Thu, 15 Apr 1999 16:10:58 -0700
From: "Mike Silva" <mjsilva@jps.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [38245] Re: NorCal Regen Building Contest at HamCom 99
Message-ID: <004a01be8795\$38df7cc0\$2c89a9ce@davidb-200.amotusa.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Guys, one of my favorite receivers to build is a Regen. So, I am
>sponsoring
>a Regen building contest at Dallas at HamCom 99. You can't use a
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>kit, such as the TenTec or MFJ. No, the purpose of this one is to have you
>build from a circuit such as Charles Kitchen's that were in QST,
>Communications Quarterly, and QEX. Or you can use a Paul Harden circuit
>from QRPP. There are others I am sure. If you know of a good Regen
>Schematic, post the details of where we can find it on qrp-l, or send it to
>me. This is a homebrew contest, and we want the rigs to be built by
>homebrewers.

I first really paid attention to regens when I got on the glowbugs list a couple of years ago. Some of those folks are regen gurus, and I caught the bug from them. In fact, now that the weather is getting nice I'm temporarily putting all my Honk projects on hold (they're used to it) and starting a small transceiver which will use a regen receiver (remote cutoff pentode RF stage, pentode detector, triode AF amp, pentode AF output). I'm thinking it'll either be a single band or a 40-30 dual band rig.

Glad to hear some of you folks are fascinated by Major Armstrong's hookup as well!

73,
Mike, KK6GM

Date: Thu, 15 Apr 1999 21:57:04 +0000
From: Ed Loranger <we6w@qsl.net>

To: qrp-1@lehigh.edu
Subject: [38246] Spread Spectrum/Smith Chart/ Antenna tutorials.
Message-ID: <371660B0.6A63@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy friends. I was doing some light reading and needed some more meat and potatoes to digest. So I searched on magnetic loop antennas and as I dug deeper and deeper thru the list of search results, I eventually found some excellent reading material to peruse.

My highlighter pen is getting some use today.

First: A nice Spread spectrum webpage with downloadable Smith Chart tools. Really first class!
Spread Spectrum Scene homepage:
<http://sss-mag.com/>

Smith chart tools, WOW, what a collection of charts/tutorials.
<http://sss-mag.com/smith.html>

NOTE: All of these are Personal use only copyrighted material...

Here's some antenna material,
Copyright D.Jefferies 1996, 1997, 1998, 1999

<http://www.ee.surrey.ac.uk/Personal/D.Jefferies/antennas.html>

Finally, a nice remotely (Varactor Diode) tuned Medium Wave RX loop antenna:
<http://home.on.rogers.wave.ca/werner/RTL.html>

I hope y'all have as much fun as I did.

72/Ed Loranger we6w/6

--

-Ed AR QRP Millennium QSO's=560/2000
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 ARS#275

Date: Thu, 15 Apr 1999 15:17:24 PDT
From: "Alan Fryer" <n3bj@hotmail.com>
To: hw.merz@t-online.de, qrp-1@Lehigh.EDU

Subject: [38247] Re: K2 DROP TEST -- SUCCESS!
Message-ID: <19990415221725.7704.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain

All

I agree with Hanns...a sample of 1 is not statistically significant, need more tests. I live on a 3200' mountain with severe slope, please ship me about 25 units and I will perform the necessary tests. I also agree with another FTer: Wayne's got better drugs than we do.

Alan, N3BJ
Bent Mountain, VA

-----Original Message Follows-----
From: hw.merz@t-online.de (Hanns W. Merz)
Reply-To: hw.merz@t-online.de
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: Re: K2 DROP TEST -- SUCCESS!
Date: Thu, 15 Apr 1999 19:20:19 +0200

Hi Wayne,

Thanks for the info!

But what about fire and water? S/N 0002 and 0003 are still waiting for the next tests. And would you please inform the gang in time when you are going to test the K2's resistance to an Electromagnetic Pulse perhaps in the Sierra of Nevada?

Looking forward to get my K2 soon with all new improvements (shockproof, waterproof and so on). But, please, stop development - it needs NOT to survive the next 1000 years...

Best regards
Hanns DK9NL

> Wayne Burdick wrote:

>

> > With all the talk of doing a drop test of the K2 and whether

there would be
> > a volunteer, I thought I'd better just drop-test serial number
00001 and be
> > done with it.
> >
> > The neighbors must have had their rosaries out as they watched me
climb the
> > 70' pine tree near my house. It was a gorgeous day, and the local
squirrels
> > cleared a path, eyeing me as if I might be an oversize nut. Soon
I was
> > peering out across Belmont from near the top of the tree, my K2
in one hand
> > and an Icom IC730 in the other. The IC730 would serve as an
experimental
> > control.
> >
> > After brushing aside several second thoughts, I balanced on the
far reaches
> > of a major branch and heaved the 20-pound IC730 earthwards. I
seemed to see
> > the entire thing in slow-mo. Seconds later, the rig hit the
concrete patio
> > with a spectacular, explosive crash, spreading debris into the
next two zip
> > codes. A one-foot crater testified to the strength of impact. The
neighbors
> > cheered. (I cheered, too, because as a side-effect of this control
> > experiment I would never again have to put up with that little
access-door
> > on top of the IC730 that one had to open to get to the sidetone
volume pot.
> > Both the access door and the pot were now in approximately
Tuscon.)
> >
> > Then came the moment of truth: how would the K2 fare? Again I
stepped
> > cautiously out onto the branch. I tossed the rig up and out, and
could
> > barely muster the courage to watch as my helpless little K2
described its
> > final, parting parabola.
> >
> > What happened next I'll never forget. As the rig approached the
ground at
> > high speed, I realized I had neglected to remove the internal 3AH
> > rechargeable battery before doing the test, and had also left a
3' loaded

> > 40m whip attached to the antenna jack. The added weight of the battery and
> > the aerodynamic properties of the whip--combined with the natural spring
> > tension of the K2's .080" aluminum side panels--caused the unit to hit the
> > ground at an optimal angle, and darned if it didn't bounce straight back
> > up.
> >
> > The force of the contact must have jarred the on-off switch into the ON
> > position, and additionally seems to have kicked off the SCAN feature. On
> > the first bounce the rig came nearly all the way back up to the level of my
> > tree branch, and I could see from the display that the VFO had locked onto
> > the fox at 7040.
> >
> > I feel pretty good about the results of the bounce test. While I don't
> > recommend that everyone else try the same thing, you can certainly rest
> > assured that a bone-jarring trip down a dirt road in your Hum-Vee won't
> > hurt your K2.
> >
> > Wayne
> > N6KR
> >
> > Vice President of Hyperbole
> > Elecraft

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Date: Thu, 15 Apr 1999 15:24:26 -0700
From: "Lawrence M. Koga" <lkoga@tabnet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [38248] Palm Pilot
Message-ID: <4.1.19990415152329.009b7dd0@tabnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi , I have the Palm Pilot Pro, in fact I have three of them. The prices are really dropping.

You can connect to packet using ACCESSit software(shareware), and a null modem connector. I use the KPC-3.

TAPR has APRS software, and maps for the Palm Pilot.

There is a satellite prediction program. It handles a limited number of satellites, but you can import others using NASA or other formats. I prefer NASA format.

I have come across a small problem. Many of these programs work on older OS versions e.g. 2.04. The problems arrives with version 3.0. I have both formats. I am thinking about converting back to version 2.04 untills the kinks are resolved.

I hope this helps.

Lawrence NH6NJ

Date: Thu, 15 Apr 1999 15:31:47 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Ed Loranger <we6w@qsl.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [38249] Re: Spread Spectrum/Smith Chart/ Antenna tutorials.
Message-ID: <Pine.BSI.3.96.990415153048.629A-1000000@usr01.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 15 Apr 1999, Ed Loranger wrote:

>
> Finally, a nice remotely (Varactor Diode) tuned Medium Wave RX
> loop antenna:
> <http://home.on.rogers.wave.ca/werner/RTL.html>
>

Ed,

This is really a great page! Full of all sorts of electric field loop antennas. Thanks for posting this.

,-----.
Circuit Design for the

72..Roger

72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ
n7kt@earthlink.net n7kt@arrl.net 6023155988@mobile.att.net

Date: Thu, 15 Apr 1999 18:55:19 -0400
From: VE3JC - John C <jbcumming@wwdc.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, QRP-CANADA <qrp-canada@lists.gpfn.sk.ca>, "jmwilson@Celestica.com" <jmwilson@Celestica.com>, Jeff VA3JFF Hetherington <jhetheri@npiec.on.ca>
Subject: [38251] QRP Impromptu gathering at Durham, Ontario Hamfest
Message-ID: <37166E57.5A843D22@wwdc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well this is getting exciting! Ken LaRose VE3ELA and I decided to make a third attempt at an eyeball, at this Saturday's Durham Hamfest (advertised as Canada's Largest, Canada's Best). Peter VE3GYG and Jeff VA3JFF (who I had fun walking a gazillion miles with at Dayton '98) said they might show up as well.

Well I touched base with Jim VE3KQN, a founding father of the Durham QRP Club, one of Canada's most illustrious QRP groups. Turns out that his club usually gets together for a burger after the fleamarket, so I think some of us may "crash" that get-together. So looks like we'll have a "QRP meeting of the minds".

If any other QRP'ers are going to be at Durham and would be interested in meeting, let me know. (I'll try to monitor 146.52 simplex).

73/72, JC

| | | |
|-----------|--|---|
| | | VE3JC John Cumming |
| Q | | Delaware, ON CANADA |
| /\ | | jbcumming@wwdc.com |
| @` / ---- | | hf qrp cw bicycle mobile |
| () \ () | | http://www.geocities.com/CapeCanaveral/Lab/7378/ |

End of QRP-L Digest 1427

